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ALLEGHENY FOREST EXPERIMENT STATION\*

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PULPWOOD VOLUME TABLES FOR SECOND GROWTH BLACK CHERRY,  
SUGAR MAPLE, AND BEECH IN NORTHWESTERN PENNSYLVANIA 7163

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During the course of a pulpwood cost study conducted by the Forest Service<sup>1/</sup> on lands of the Armstrong Forest Company near Johnsonburg, Pennsylvania, the peeled cubic-foot volumes, to a 4-inch top, of all trees above certain minimum diameters on 5.1 acres of adjacent plots, were determined. The stand studied was a well stocked mixture of black cherry, sugar maple, and beech, 43 years of age, site 1.

These data apply only to stands in the 40-45 year age class, since the height diameter relationships of Allegheny hardwoods are known to differ with age. The regression method of analysis was used to determine the relation of peeled merchantable cubic-foot volume in 52-inch sticks to tree diameter, inside bark. These data were converted to diameter o. b. by use of Allegheny National Forest bark thickness curves. Errors of estimate amounted to 14% for black cherry, 12% for sugar maple, and 17% for beech.

The results are shown in alinement chart form and should only be applied in similar local stands.

<sup>1/</sup> This study was made possible through the cooperation of the Armstrong Forest Company, with the Division of State and Private Forestry of Region 7, and the Allegheny Forest Experiment Station of the Forest Service.

\*In cooperation with the University of Pennsylvania.

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# PULPWOOD CONVERSION STUDY

Alinement Charts for Relationship of  
Peeled Merchantable Volume to D. O. B.  
Site I, 40-45 years, Average Height

